

28 JAN 2003

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU03/00955

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ? : H01J 49/26

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 DWPI: (1) [(H01J 49/-, H05H 1/-, mass spectromet+, (ion)(w)(source?, beam?); (ion?)(s)(interfer+, background, polyatomic, multicharg+, neutrali+); (reagent?, react+, colli+, interact+, hydrogen); (interface?, cone?, skimmer?, sampler?); plasma]; (2) [plasma; (cone?, skimmer?, sampler?)(s)(reagent?, react+, colli+, interact+, hydrogen)]

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6265717 B (SAKATA <i>et al.</i> ) 24 July 2001 Col. 5 line 49 - col. 6 line 67, figures 3-5, claims 1-4	1, 10-13, 16-21 9
Y	Patent Abstracts of Japan JP 10-040857 A (YOKOGAWA ANALYTICAL SYST KK) 13 February 1998 Abstract	9
Y	US 4948962 A (MITSUI <i>et al.</i> ) 14 August 1990 Col. 5 line 44 - col. 7 line 31, figures 2-4	1, 16, 21

 Further documents are listed in the continuation of Box C See patent family annex

* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 25 September 2003	Date of mailing of the international search report 02 OCT 2003
Name and mailing address of the ISA/AU <b>AUSTRALIAN PATENT OFFICE</b> PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer <b>IRINA TALANINA</b> Telephone No : (02) 6283 2203

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<b>C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
<b>Category*</b>	<b>Citation of document, with indication, where appropriate, of the relevant passages</b>	<b>Relevant to claim No..</b>
A	WO 02/19382 A (MDS INC) 7 March 2002 Page 14 lines 10-26, figure 10	1-23
A	US 6259091 B (EIDEN <i>et al.</i> ) 10 July 2001 Col. 9 lines 16-62, figure 7	1-23
P, A	WO 03/023815 A (VARIAN AUSTRALIA PTY LTD) 20 March 2003 Page 16 lines 6-33, figure 2	1-23

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/AU03/00955

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member				
US	6265717	JP	2000067804			
JP	10040857	NONE				
US	4948962	DE	3918948	JP	1311554	
WO	200219382	CA	2317085	EP	1314187	
US	6259091	AU	18228/97	CA	2241320	EP 871977
		US	5767512	WO	9725737	AU 48234/99
		CA	2335108	EP	1088334	WO 9966536
WO	2003023815	NONE				
END OF ANNEX						

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